

FIG.1

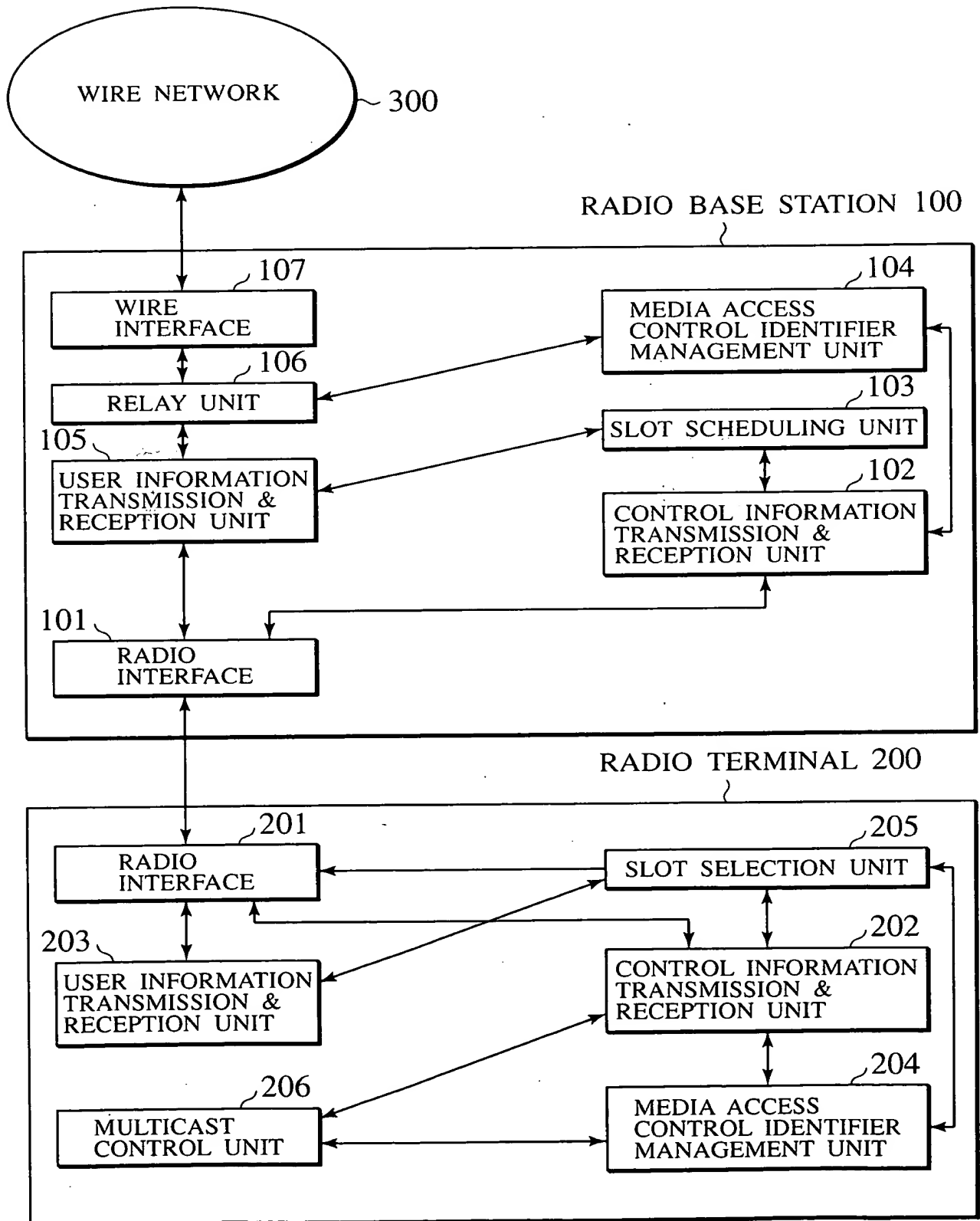


FIG.2

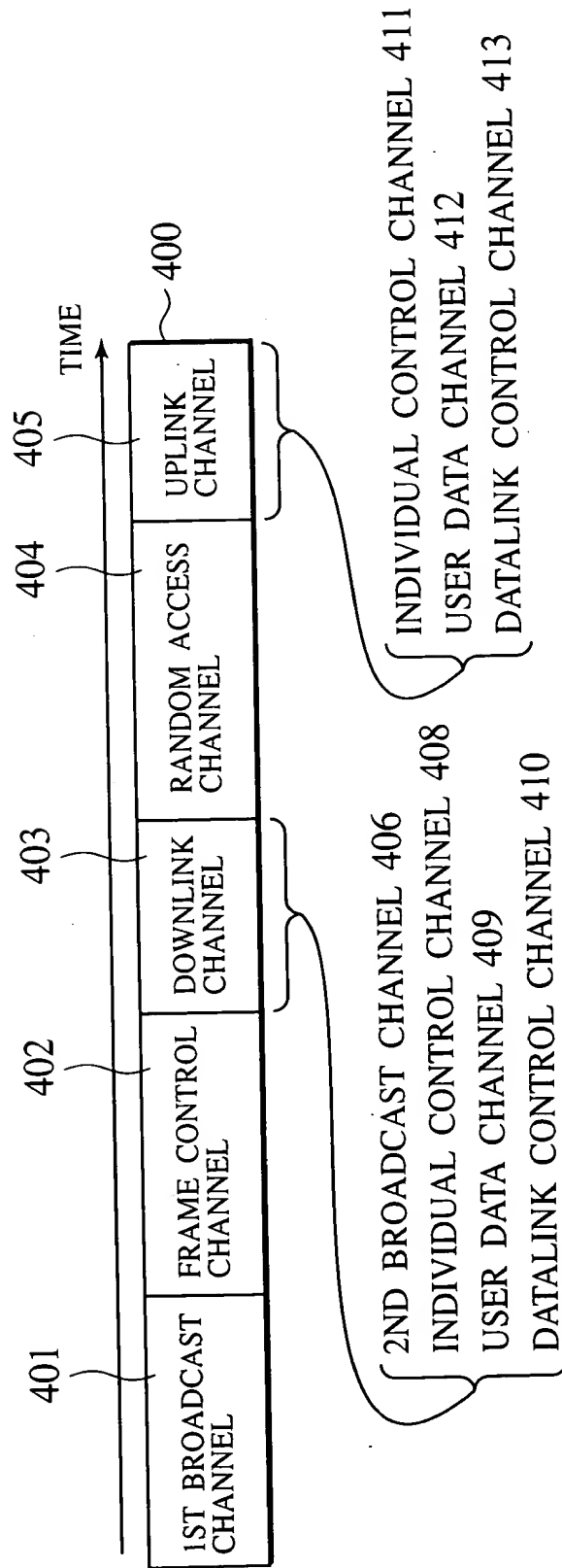


FIG.3

| MEDIA ACCESS CONTROL IDENTIFIER | INFORMATION TYPE IDENTIFIER         |               |
|---------------------------------|-------------------------------------|---------------|
|                                 | RADIO CONTROL BROADCAST INFORMATION |               |
| #0                              | RADIO CONTROL BROADCAST INFORMATION |               |
| #1                              | TERMINAL-1                          | TERMINAL ID-1 |
| #2                              | UNALLOCATED                         |               |
| #3                              | MULTICAST-1                         | GROUP-1       |
| #4                              | TERMINAL-2                          | TERMINAL ID-2 |
| #5                              | MULTICAST-4                         | GROUP-4       |
| ⋮                               | ⋮                                   | ⋮             |

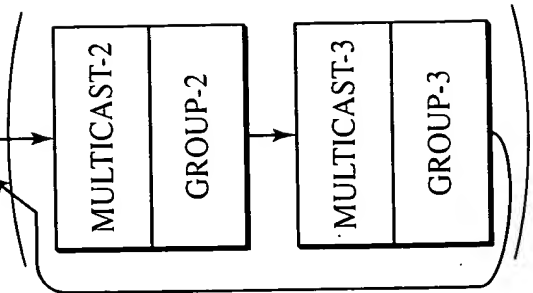


FIG.4

| MEDIA ACCESS CONTROL IDENTIFIER | INFORMATION TYPE IDENTIFIER         |               |
|---------------------------------|-------------------------------------|---------------|
|                                 | RADIO CONTROL BROADCAST INFORMATION |               |
| #0                              | RADIO CONTROL BROADCAST INFORMATION |               |
| #3                              | MULTICAST-3                         | GROUP-3       |
| UNALLOCATED                     | OWN TERMINAL                        | TERMINAL ID-3 |

FIG.6



FIG.7

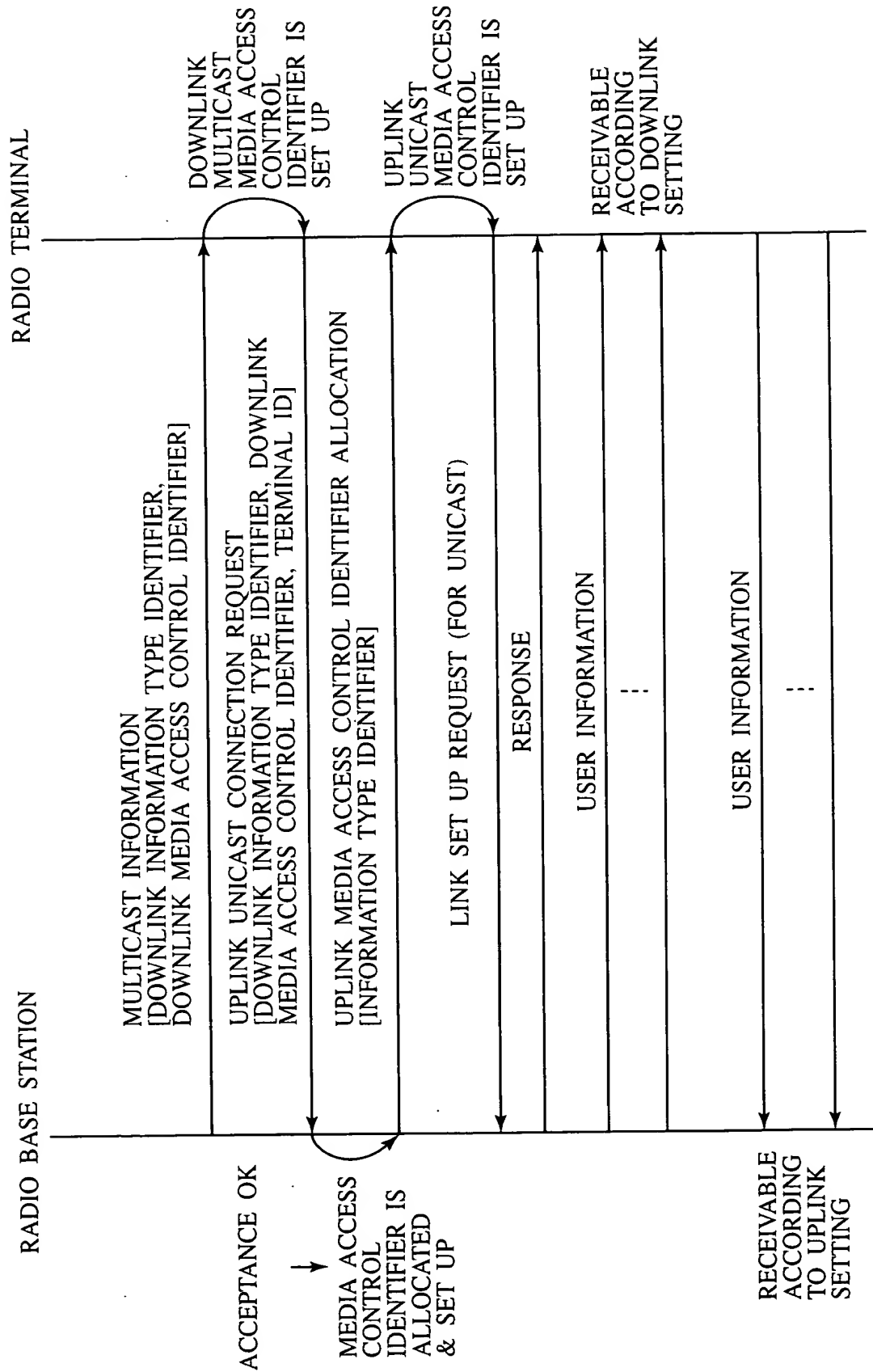


FIG.8

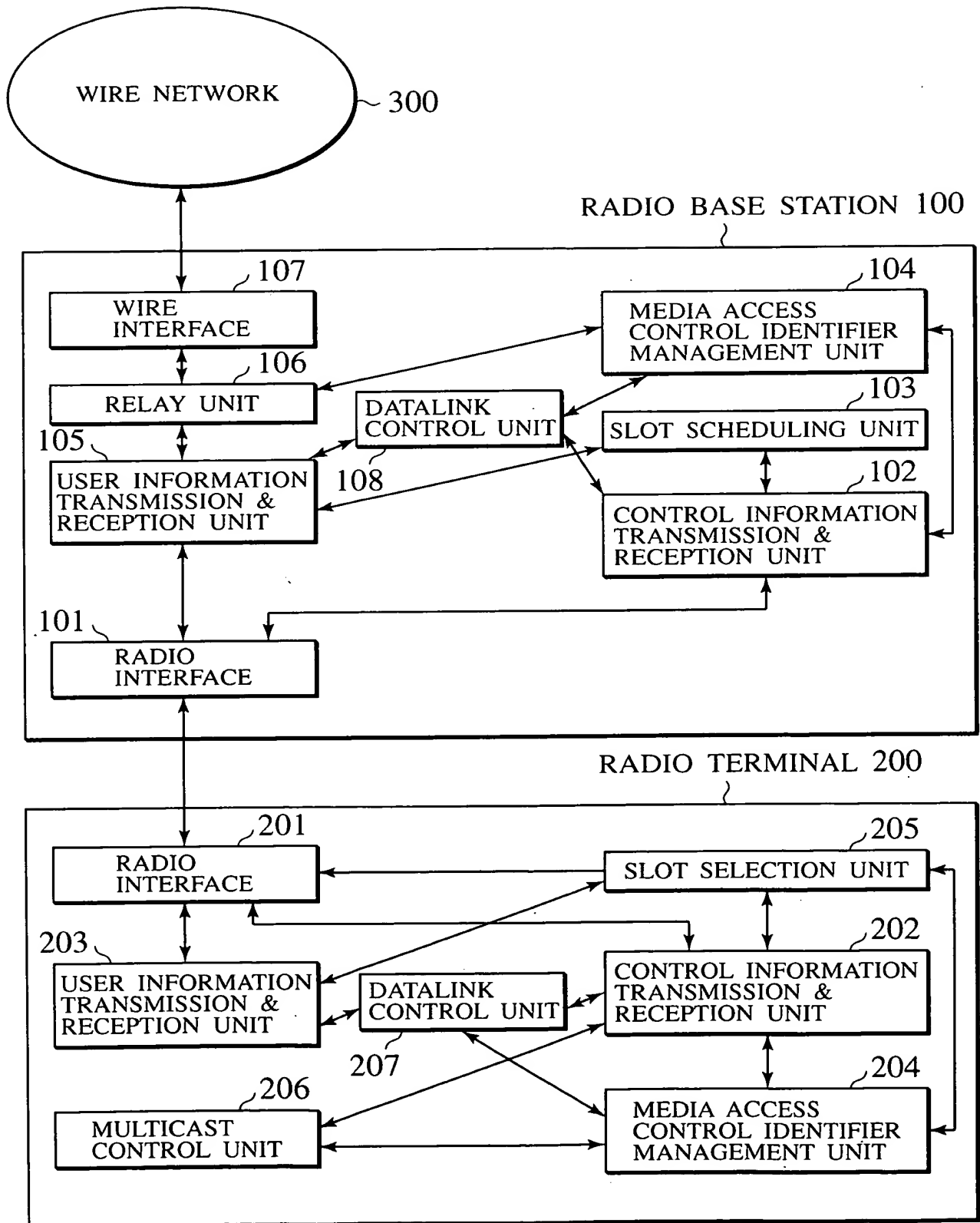


FIG.9

| MEDIA<br>ACCESS<br>CONTROL<br>IDENTIFIER | INFORMATION TYPE IDENTIFIER                                   |  |
|--|---|--|
|  |   |  |
| #3                                       | MULTICAST-1   | GROUP-1  |
| #8                                       | TERMINAL-3  | TERMINAL ID#3                                  |
| #9                                       | DATALINK CONTROL INFORMATION<br>FOR MULTICAST-1 BY TERMINAL-3 | DATALINK CONNECTION<br>(GROUP-1,TERMINAL ID#3) |

FIG.10

| MEDIA<br>ACCESS<br>CONTROL<br>IDENTIFIER | INFORMATION TYPE IDENTIFIER                     |  |
|--|---|--|
|  |   |  |
| #3                                       | MULTICAST-1                                     | GROUP-1  |
| #8                                       | OWN TERMINAL                                    | TERMINAL ID#3                                  |
| #9                                       | DATALINK CONTROL INFORMATION<br>FOR MULTICAST-1 | DATALINK CONNECTION<br>(GROUP-1,TERMINAL ID#3) |

FIG.11

| TARGET MEDIA ACCESS<br>CONTROL IDENTIFIER | CONTROL INFORMATION<br>MEDIA ACCESS CONTROL<br>IDENTIFIER | DATALINK CONNECTION<br>IDENTIFIER |
|---|---|-----------------------------------|
| #0  | —   | #0                                |
| #0  | —   | #1                                |
| #1  | #1  | #0                                |
| #1  | #1  | #1                                |
| #3  | #1,#8   | #2                                |
| #3  | #1,#8   | #3                                |
| #8  | #8  | #0                                |
|   |   |                                   |

FIG.12

| TARGET MEDIA ACCESS<br>CONTROL IDENTIFIER | CONTROL INFORMATION<br>MEDIA ACCESS CONTROL<br>IDENTIFIER | DATALINK CONNECTION<br>IDENTIFIER |
|---|---|-----------------------------------|
| #0  | —   | #0                                |
| #0  | —   | #1                                |
| #3  | #8  | #3                                |
|   |   |                                   |

009639072.081600



FIG.13

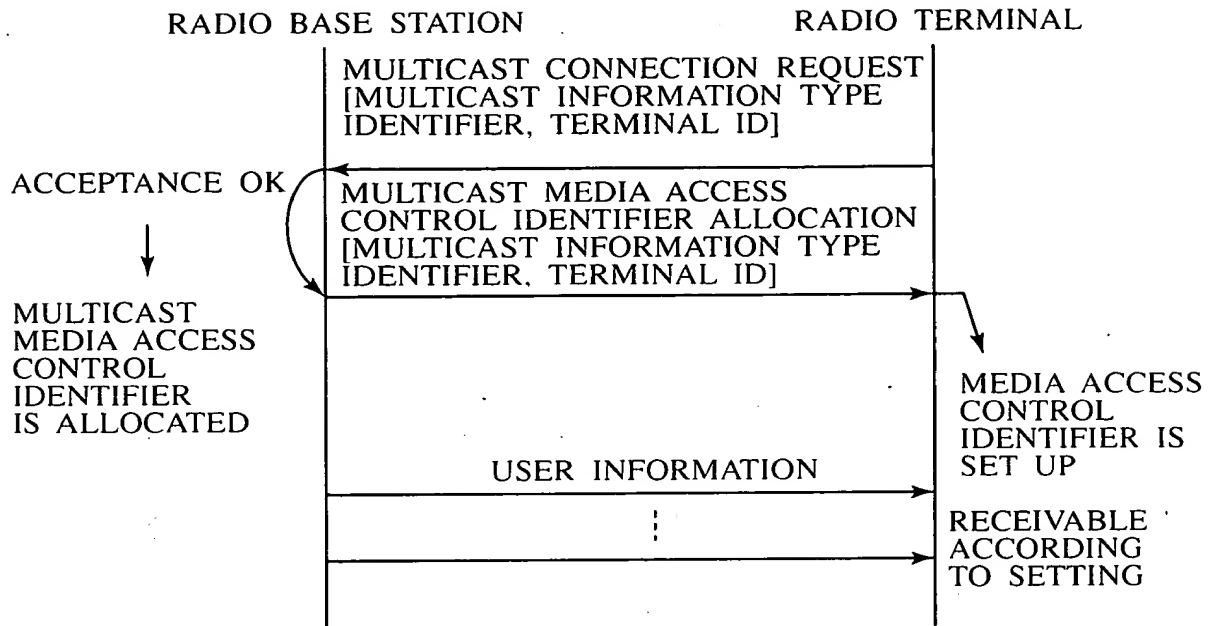


FIG.14

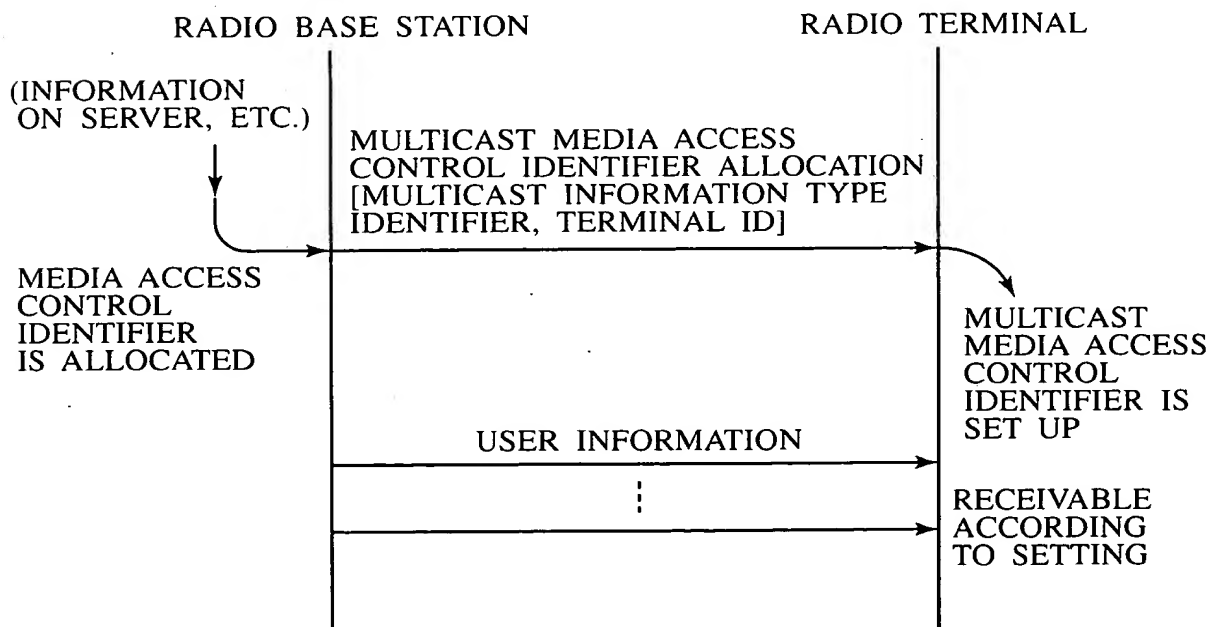


FIG.15

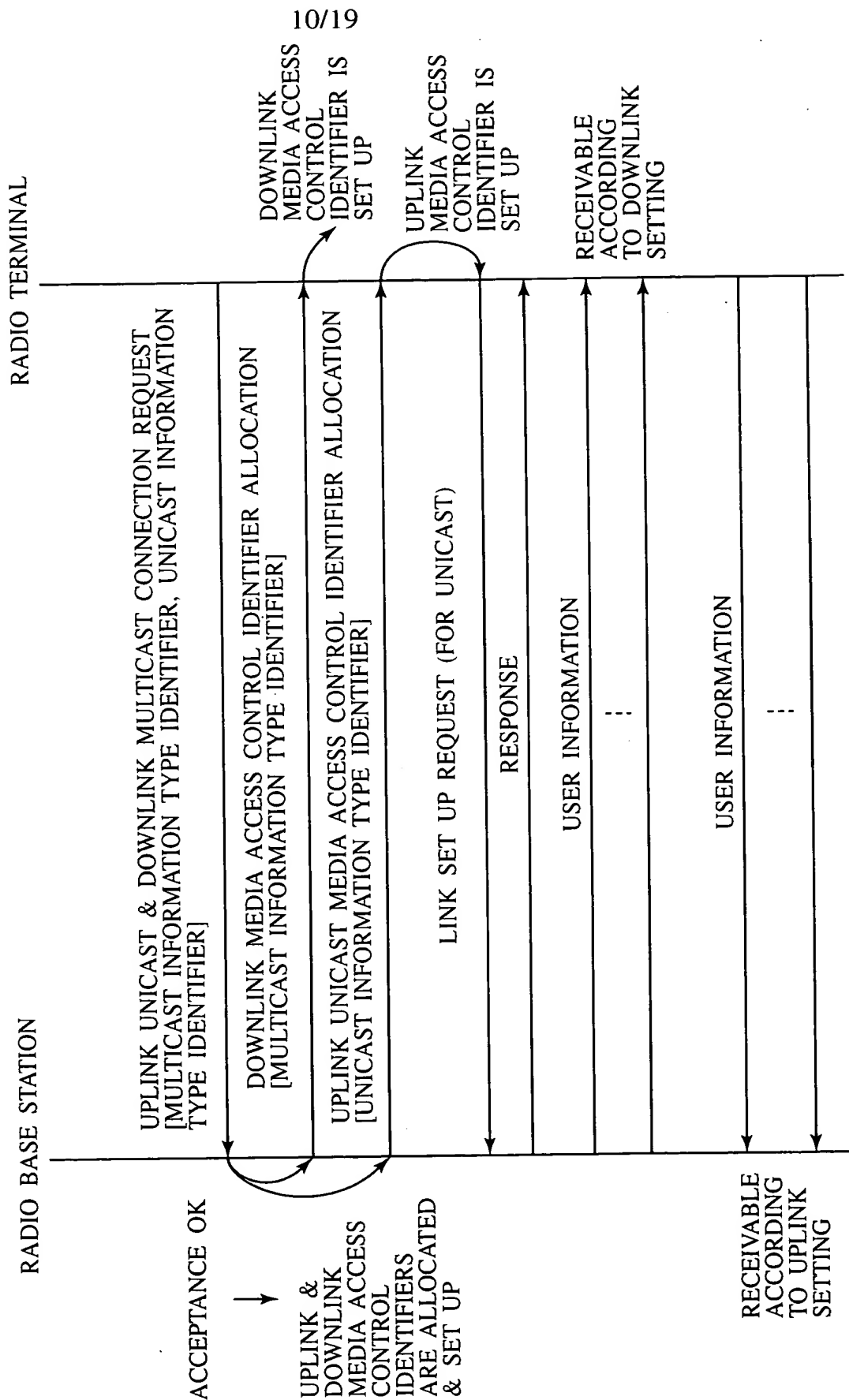


FIG.16

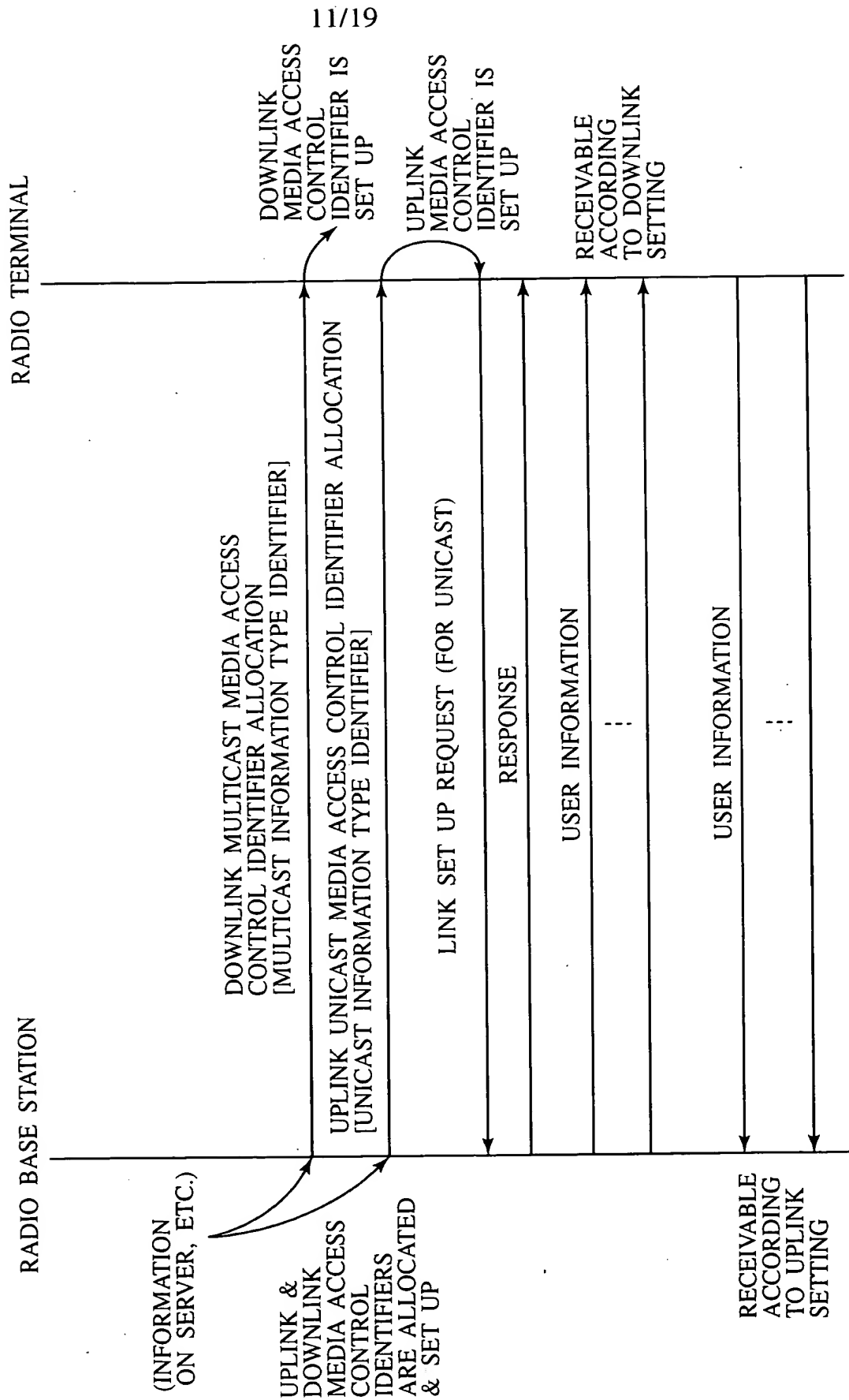


FIG.17

| MEDIA ACCESS<br>CONTROL IDENTIFIER | INFORMATION TYPE IDENTIFIER            |               |
|------------------------------------|--|---------------|
| #0                                 | RADIO CONTROL<br>BROADCAST INFORMATION |               |
| #1                                 | BROADCAST                              | GROUP-0       |
| #2                                 | TERMINAL-1                             | TERMINAL ID-1 |
| ⋮                                  | ⋮                                      | ⋮             |

FIG.18

| MEDIA ACCESS<br>CONTROL IDENTIFIER | INFORMATION TYPE IDENTIFIER            |               |
|------------------------------------|--|---------------|
| #0                                 | RADIO CONTROL<br>BROADCAST INFORMATION |               |
| #1                                 | BROADCAST                              | GROUP-0       |
| UNALLOCATED                        | OWN TERMINAL                           | TERMINAL ID-2 |

FIG.19

| MEDIA ACCESS<br>CONTROL IDENTIFIER | INFORMATION TYPE IDENTIFIER            |               |
|------------------------------------|--|---------------|
| #0                                 | RADIO CONTROL<br>BROADCAST INFORMATION |               |
| #1                                 | ALL MULTICAST                          | ALL GROUP ID  |
| #2                                 | TERMINAL-1                             | TERMINAL ID-1 |
| ⋮                                  | ⋮                                      | ⋮             |

FIG.20

| MEDIA ACCESS<br>CONTROL IDENTIFIER | INFORMATION TYPE IDENTIFIER            |                          |
|------------------------------------|--|--------------------------|
| #0                                 | RADIO CONTROL<br>BROADCAST INFORMATION |                          |
| #1                                 | ALL MULTICAST                          | GROUP ID-2<br>GROUP ID-3 |
| UNALLOCATED                        | OWN TERMINAL                           | TERMINAL ID-2            |

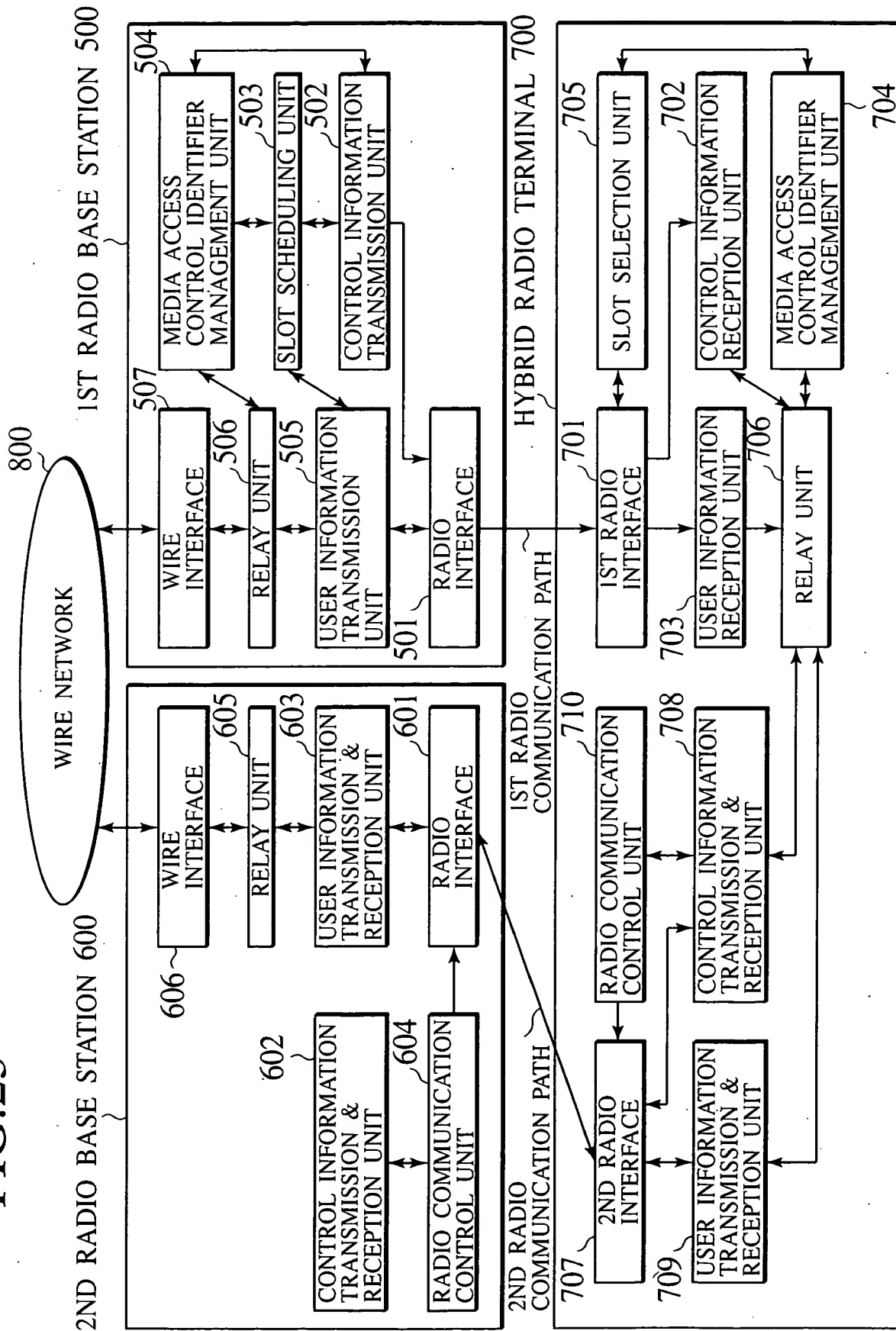
FIG.21

| MEDIA ACCESS<br>CONTROL<br>IDENTIFIER | DATALINK<br>CONNECTION<br>IDENTIFIER | INFORMATION<br>TYPE IDENTIFIER              |                  |
|---------------------------------------|--------------------------------------|---|------------------|
| #0                                    | #0                                   | RADIO CONTROL<br>BROADCAST<br>INFORMATION A |                  |
| #0                                    | #1                                   | RADIO CONTROL<br>BROADCAST<br>INFORMATION B |                  |
| #1                                    | #0                                   | DESTINED TO<br>TERMINAL-1 A                 | TERMINAL<br>ID-1 |
| #1                                    | #1                                   | DESTINED TO<br>TERMINAL-1 B                 | TERMINAL<br>ID-1 |
| ⋮                                     | ⋮                                    | ⋮   | ⋮                |
| #5                                    | #0                                   | MULTICAST-1                                 | GROUP<br>ID-1    |
| #5                                    | #1                                   | MULTICAST-2                                 | GROUP<br>ID-2    |

FIG.22

| MEDIA ACCESS<br>CONTROL<br>IDENTIFIER | DATALINK<br>CONNECTION<br>IDENTIFIER | INFORMATION<br>TYPE IDENTIFIER              |               |
|---------------------------------------|--------------------------------------|---|---------------|
| #0                                    | #0                                   | RADIO CONTROL<br>BROADCAST<br>INFORMATION A |               |
| #0                                    | #1                                   | RADIO CONTROL<br>BROADCAST<br>INFORMATION B |               |
| #5                                    | #1                                   | MULTICAST-2                                 | GROUP<br>ID-2 |

FIG.23





HYBRID RADIO  
TERMINAL

2ND RADIO  
BASE STATION

1ST RADIO  
BASE STATION

MULTICAST INFORMATION  
[DOWNLINK INFORMATION TYPE  
IDENTIFIER, DOWNLINK MEDIA  
ACCESS CONTROL IDENTIFIER]

UPLINK UNICAST CONNECTION  
REQUEST  
[DOWNLINK INFORMATION TYPE  
IDENTIFIER, DOWNLINK MEDIA  
ACCESS CONTROL IDENTIFIER,  
TERMINAL ID]

UPLINK MEDIA ACCESS CONTROL  
IDENTIFIER ALLOCATION  
[INFORMATION TYPE IDENTIFIER]

LINK SET UP REQUEST  
(FOR UNICAST)

RESPONSE

USER INFORMATION

CONTROL INFORMATION  
(REGARDING USER INFORMATION)

USER INFORMATION

CONTROL INFORMATION  
(REGARDING USER INFORMATION)

ACCEPTANCE  
OK

MEDIA ACCESS  
CONTROL  
IDENTIFIER IS  
ALLOCATED  
& SET UP

2ND RADIO COMMUNICATION  
PATH SET UP

UPLINK UNICAST CONNECTION  
REQUEST  
[DOWNLINK INFORMATION TYPE  
IDENTIFIER, DOWNLINK MEDIA  
ACCESS CONTROL IDENTIFIER,  
TERMINAL ID]

LINK SET UP REQUEST (FOR UNICAST)

UPLINK UNICAST  
MEDIA ACCESS  
CONTROL  
IDENTIFIER IS  
SET UP

RECEIVABLE  
ACCORDING  
TO SETTING

CONTROL INFORMATION  
(REGARDING USER INFORMATION)

USER INFORMATION

CONTROL INFORMATION  
(REGARDING USER INFORMATION)

USER INFORMATION

CONTROL INFORMATION  
(REGARDING USER INFORMATION)

RECEIVABLE  
ACCORDING  
TO SETTING



FIG.26

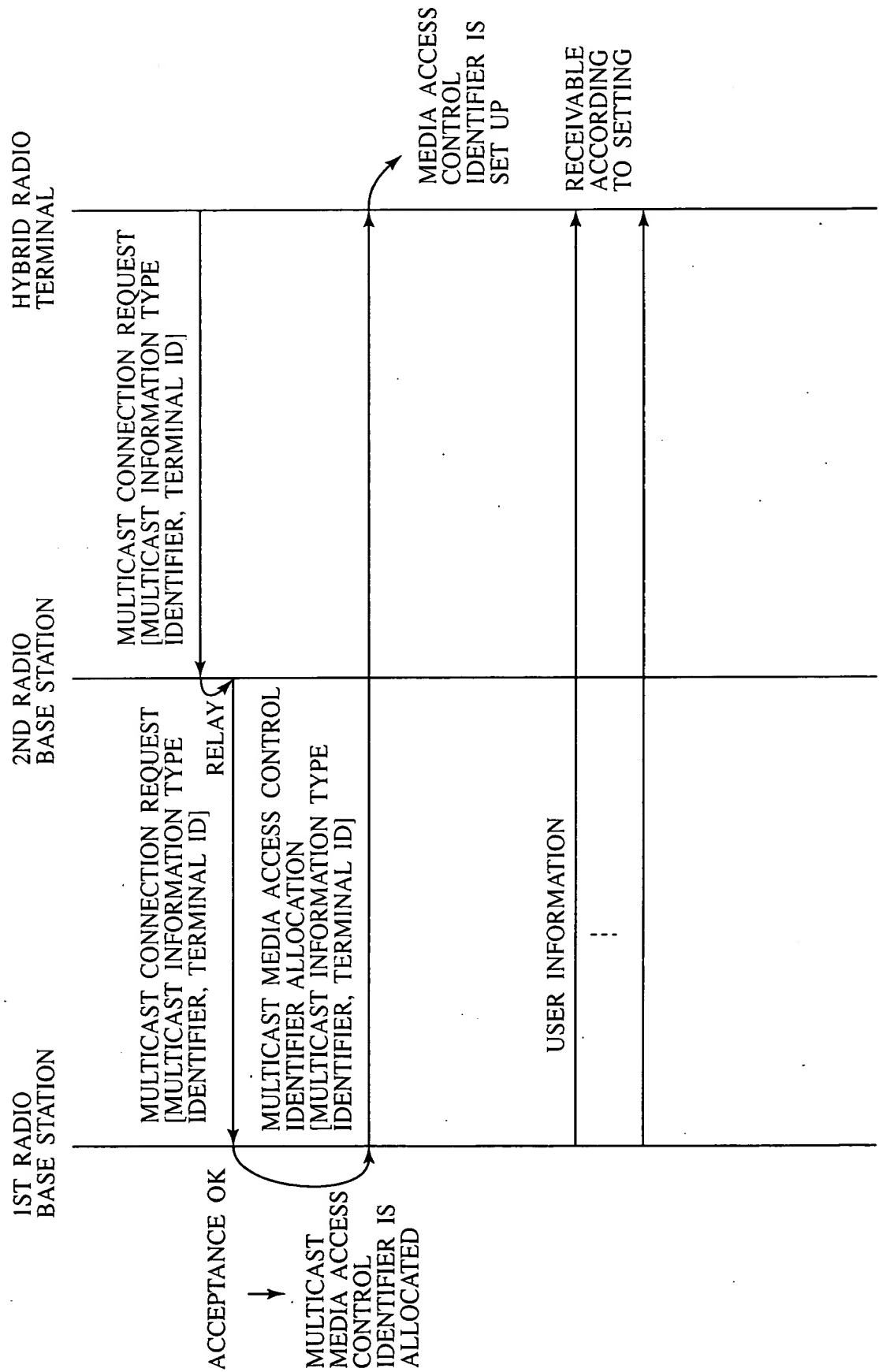




FIG. 28

